

AMENDMENTS TO THE SPECIFICATION

Please amend the specification as follows:

Please replace the paragraphs, beginning at page 10, line 20, and ending at page 11, line 3, with the following amended paragraphs.

Figure 2A shows a comparison made among the amino acid sequences of mouse sialyltransferases ST8Sia I (SEQ ID NO: 31), ST8Sia V (SEQ ID NO: 32), and ST8Sia VI (SEQ ID NO: 1). The conserved amino acid residues among these sialyltransferases are boxed. Sialyl motif L is double-underlined, and sialyl motif S is dashed-underlined. The conserved histidine and glutamic acid residues in sialyl motif VS are marked with asterisks.

Figure 2B shows a comparison made between the amino acid sequence of mouse (m) ST8Sia VI (SEQ ID NO: 1) and that of human (h) ST8Sia VI (SEQ ID NO: 3). Amino acids conserved between both the enzymes are boxed.

Please replace the paragraph, appearing at page 13, lines 1-5, with the following amended paragraph.

Figure 7A shows the nucleotide sequence of human ST6Gal II cDNA (SEQ ID NO: 6), and its deduced amino acid sequence (SEQ ID NO: 5). The transmembrane domain is underlined. Sialyl motif L is double underlined, and sialyl motif S is dashed underlined. Histidine and glutamic acid, which are conserved in sialyl motif VS, are boxed. Asparagine residues of the potential *N*-linked glycosylation sites are overlined.

Short form DNA and protein sequences are included in the Sequence Listing as SEQ ID NOS 33 and 34, respectively.

Please replace the paragraph, appearing at page 13, lines 18-22, with the following amended paragraph.

Figure 9A shows a comparison of the amino acid sequence of human sialyltransferase ST6Gal I (SEQ ID NO: 35) and that of human sialyltransferase ST6Gal II (SEQ ID NO: 5). The conserved amino acid residues between these enzymes are boxed. Sialyl motif L is double underlined, and sialyl motif S is dashed underlined. The conserved histidine and glutamic acid residues in sialyl motif VS are marked with asterisks.

Please replace the Sequence Listing filed March 17, 2005 with the Sequence Listing attached hereto.